CLAIMS

1. Converter (1) of digital signals (11) received in modulated and multiplexed form, comprising means (21) for selecting (T1-Tn) at least one part of the said signals (11) by adjustment at at least one determined frequency and means for demodulating (DMD1-DMDn) the said parts, capable of producing at least one demodulated subsignal (12),

the said converter (1) also comprising:

- means for demultiplexing (22, DMX1-DMXn) the said subsignals (12), designed to extract portions (13) of the said subsignals (12);
- means for remultiplexing (23) the said portions (13) extracted from at least one remultiplexed flow (14);
- means for transforming (24) said remultiplexed flow (14), designed to modify said remultiplexed flow (14) in compliance with specific criteria for transmission to recipient receivers (R1-Rn), said transformation means (24) being provided to modify said remultiplexed flow so as to make it comply with at least one communication protocol, and
- means for extracting (25) transmission information (16) received from the recipient receivers (R1-Rn),

transformation means (24) being capable of determining the transmission criteria according to said transmission information;

characterized in that said transmission information of a recipient receiver (R1-Rn) depends on the type of recipient receiver (R1-Rn) or on the network type to which it belongs.

2. Converter (1) according to claim 1, characterized in that the transformation means (24) are able to return said remultiplexed flow in accordance with at least two communication protocols associated with the same physical layer.

3. Converter (1) according to one of claims 1 or 2, characterized in that at least one of said communication protocols is a protocol for communication to a digital network, preferentially chosen from among the standards Ethernet, IEEE1394, IEEE802.11a and Hiperlan2.

4. Converter (1) according to any one of the aforementioned claims, characterized in that it is intended to convert digital signals (11) transmitted by satellite.

5. Converter (1) according to any one of the aforementioned claims, characterized in that the selection and demodulation means (21) are designed to select and demodulate transmission digital channels in order to produce said subsignals (12).

6. Converter (1) according to any one of the aforementioned claims, characterized in that the demultiplexing means (22) are designed to extract audiovisual programmes constituting at least some of the said portions (13).

7. Converter (1) according to claim 6, characterized in that the remultiplexing means (23) are capable of remultiplexing said portions (13) into MPEG transport streams constituting said remultiplexed flows (14).

8. Converter (1) according to any one of the aforementioned claims, characterized in that it also comprises means for extracting (25) extraction information (16) received from recipient receivers (R1-Rn), and in that the transformation means (24) are capable of determining said subsignals (12) and said portions (13) according to said extraction information.

9. Converter (1) according to any one of the aforementioned claims, characterized in that it also comprises means for modulating (27) feedback signals (17) from recipient receivers (R1-Rn).

10. Conversion procedure for digital signals (11) received in modulated and multiplexed form, in which adjustment at at least one determined frequency selects at least one part of said signals (11) and said parts are demodulated so as to produce at least one demodulated subsignal (12),

said procedure comprising the following stages:

- demultiplexing of said subsignals (12), so as to extract portions (13) of said subsignals (12),
- remultiplexing the said portions (13) extracted from at least one remultiplexed flow (14),
- transformation of said remultiplexed flow (14) in accordance with specific criteria for transmission to recipient receivers (R1-Rn), so as to render the remultiplexed flow (14) compliant with at least one communication protocol,
- extraction (25) of transmission information (16) received from said recipient receivers (R1-Rn),

the transformation stage comprising a determination of transmission criteria according to this transmission information,

characterized in that said transmission information of a recipient receiver (R1-Rn) depends on the type of recipient receiver (R1-Rn) or on the network type to which it belongs.

said conversion procedure being preferentially implemented by means of a converter (1) in accordance with any one of claims 1 to 9.

11. Receiver (60) of multiplexed digital signals (15) compliant with a communication protocol,

characterized in that said receiver (60) comprises means for the preparation and transmission via uplink communication (62, 66) of

transmission information (16), said transmission information comprising information on at least one communication protocol associated with the said receiver (60), said transmission information depending on the type of receiver (60) or network to which it belongs

said receiver (60) being preferentially designed to receive a remultiplexed flow (15) from a converter (1) according to any one of claims 1 to 9.